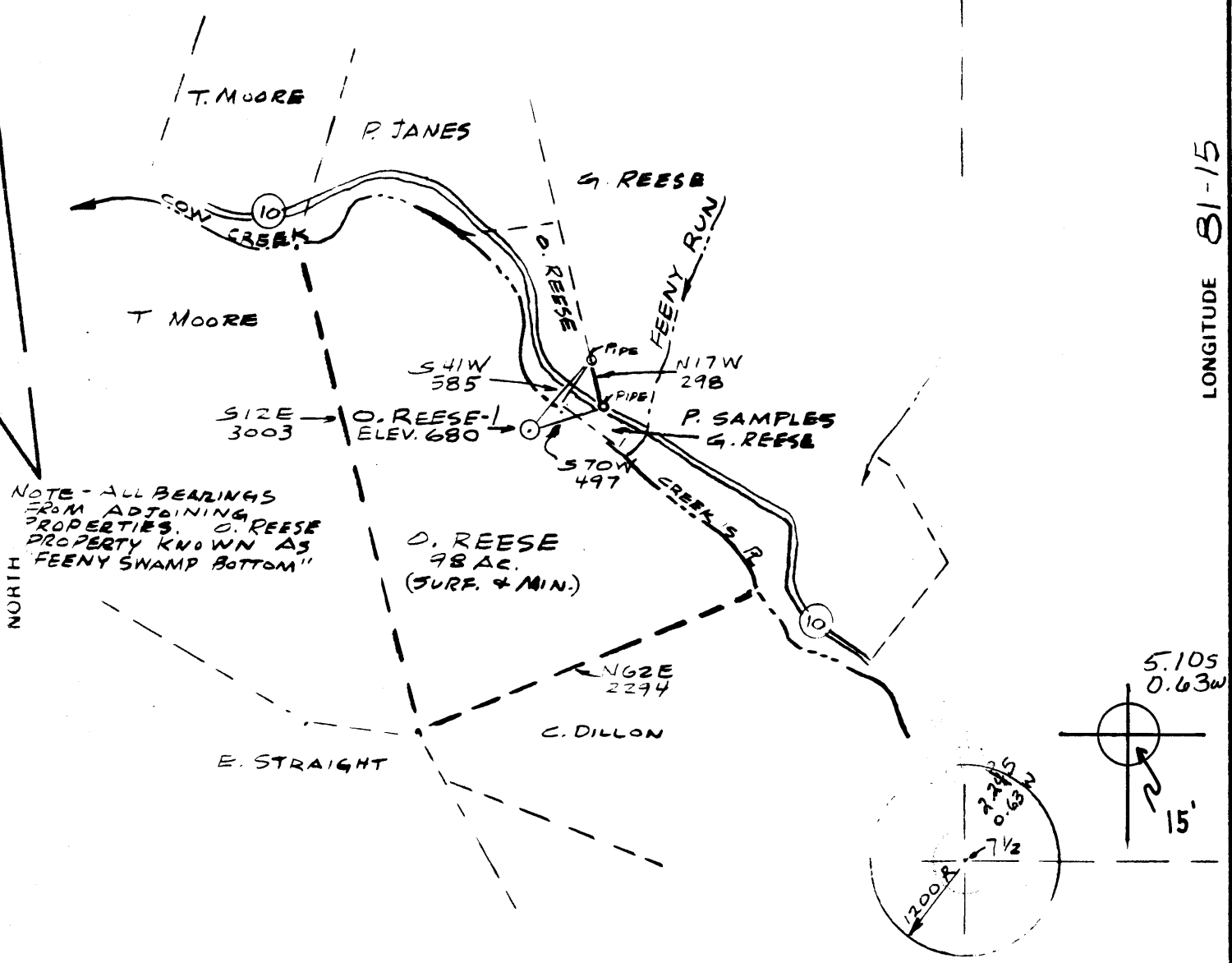


LATITUDE 39-22-30
39° 25'-15"

LONGITUDE 81-15

11870



NOTE - ALL BEARINGS FROM ADJOINING PROPERTIES. O. REESE PROPERTY KNOWN AS "FEENY SWAMP BOTTOM"

O. REESE 98 AC. (SURF. & MIN.)

NOTE - No WELLS WITHIN 1200' RADIUS

FILE NO _____
 DRAWING NO _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION INT OF ROAD 1/2 MI S.E., ELEV. 705

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) Darrell R. Boice
 R.P.E. _____ L.L.S. 667

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE DEC 20, 19 82
 OPERATOR'S WELL NO. O. REESE-1
 API WELL NO. _____
47 - 073 - 1584
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 680 WATER SHED COW CREEK
 DISTRICT JEFFERSON COUNTY PLEASANTS
 QUADRANGLE WILLOW ISLAND Marietta 15' EC
 SURFACE OWNER OKEY REESE ACREAGE 98 ±
 OIL & GAS ROYALTY OWNER OKEY REESE LEASE ACREAGE 109
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 4000
 WELL OPERATOR ENERGEX OIL & GAS DESIGNATED AGENT DARRELL R. BOICE
 ADDRESS 105 ALTA ST. ADDRESS P.O. BOX 5306
MARIETTA, OHIO VIENNA, W.VA.

RECEIVED

FEB 6 - 1984

IV-35
(Rev 8-81)

OIL & GAS DIVISION
DEPT. OF MINES



State of West Virginia

Department of Mines
Oil and Gas Division

Date April 15, 1983

Operator's

Well No. O. Reese #1

Face O. Reese #1

API No. 47 - 073 - 1584

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil X / Gas X / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production X / Underground Storage ___ / Deep ___ / Shallow X /)

LOCATION: Elevation: 680' Watershed Cow Creek
District: Jefferson County Pleasants Quadrangle Map 4, Parcel 36

COMPANY Energex Oil & Gas Corp.
ADDRESS P. O. Box 905, Marietta, OH 45750-0905
DESIGNATED AGENT Darrell Boice
ADDRESS P. O. Box 5306, Vienna, WV 26105
SURFACE OWNER Okey & Nina Reese
ADDRESS 45 Seneca Dr., Greensburg, PA 15601
MINERAL RIGHTS OWNER Okey & Nina Reese
ADDRESS 45 Seneca Dr., Greensburg, PA 15601
OIL AND GAS INSPECTOR FOR THIS WORK Robert Lowther
ADDRESS General Delivery Middlebourne, WV
PERMIT ISSUED Dec. 29, 1982
DRILLING COMMENCED January 19, 1983
DRILLING COMPLETED January 23, 1983
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON NOT APPLICABLE

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.	31'	31'	
13-10"			
9 5/8	259'	259'	115 sx
8 5/8			
7	1505'	1505'	50 sx
5 1/2			
4 1/2	4013'	4013'	155 sx
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Marcellus Shale Depth 4,000 feet
Depth of completed well 4028' feet Rotary X / Cable Tools ___
Water strata depth: Fresh 125 feet; Salt 225 feet
Coal seam depths: None Is coal being mined in the area? NO

OPEN FLOW DATA
Producing formation Devonian Shale Pay zone depth 3214-4010 feet
Gas: Initial open flow 400 Mcf/d Oil: Initial open flow 0 Ebl/d
Final open flow (250) Mcf/d Final open flow 0 Ebl/d
Time of open flow between initial and final tests 24 hours
Static rock pressure 740 psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation ___ Pay zone depth ___ feet
Gas: Initial open flow ___ Mcf/d Oil: Initial open flow ___ Ebl/d
Final open flow ___ Mcf/d Oil: Final open flow ___ Ebl/d
Time of open flow between initial and final tests ___ hours
Static rock pressure ___ psig (surface measurement) after ___ hours shut in

FEB 21 1984

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Huron

Perforated: 3214 - 4010 31 Holes
 Fractured: 600 Gal 15% Hcl Acid
 1,200,000 SCF N2

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Shale	Gray		0	110	
Sand	Gray		111	140	
Shale - Sand	Gray		141	160	
Shale	Gray		161	375	
Lime	Wht.		376	530	
Shale	Gray		531	605	
Shale	Black		606	620	
Rock	Red		621	700	
Shale	Gray		700	900	
Sand Sand	white	X	901	1080	
Shale	Gray	X	1081	1575	
Big Lime	Green	X	1576	1650	
Big Inj.	Sand	X	1651	1700	
Shale	Gray	X	1701	1820	
Lime	Gray	X	1821	1860	
Shale	Brown	X	1861	1874	
Berea Sd.	white	X	1875	1877	
Shale	Gray	X	1878	2080	
Gordon Stray	Gray	X	2081	2120	
Shale	Gray	X	2121	2235	
Gordon Sd.	Gray	X	2236	2260	
Shale	Gray	X	2261	TD 4013	

4028 TD.
 Huron
 @TD
 4028
 18.77
 2151

(Attach separate sheets as necessary)

Energy Oil & Gas Corporation
 Well Operator
 By: Robert E. Kirkbride Its President
 Date: 5/31/83

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including all strata encountered in the well."



1) Date: _____, 19____
2) Operator's Well No. _____
3) API Well No. 47 State _____ County _____ Permit _____

DRILLING CONTRACTOR: _____

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil _____ / Gas _____
B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow _____)
- 5) LOCATION: Elevation: _____ Watershed: _____
District: _____ County: _____ Quadrangle: _____
- 6) WELL OPERATOR _____ Address _____
11) DESIGNATED AGENT _____ Address _____
- 7) OIL & GAS ROYALTY OWNER _____ Address _____
12) COAL OPERATOR _____ Address _____
- 8) SURFACE OWNER _____ Address _____
13) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____ Address _____
Name _____ Address _____
- 9) FIELD SALE (IF MADE) TO: _____ Address _____
14) COAL LESSEE WITH DECLARATION ON RECORD:
Name _____ Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
Name _____ Address _____
- 15) PROPOSED WORK: Drill _____ / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____
Plug off old formation _____ / Perforate new formation _____
Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, _____
- 17) Estimated depth of completed well, _____ feet
- 18) Approximate water strata depths: Fresh, _____ feet; salt, _____ feet.
- 19) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No _____

20) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water									
Coal									Sizes
Intermediate									
Production									Depths set
Tubing									
Liners									Perforations: Top Bottom

21) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

22) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

23) Required Copies (See reverse side.)

24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: _____
My Commission Expires _____

Signed: _____
Its: _____

OFFICE USE ONLY
DRILLING PERMIT

Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires _____ unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
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Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.